Referring serially to FIGS. 9-12. In FIG. 9, the cover 3 of the computer 1 is at about 45 degrees with the portion 29 of the spring 27 keeping the assembly 9A in the collapsed position in the cover 3. In FIG. 10, the cover 3 of the computer 1 is now open to about 75 degrees. The tension 5 provided by the spring 27 at the portion 29 continues to provide sufficient force for keeping the assembly 9A in the collapsed position in the cover 3. In FIG. 11, the cover 3 of the computer 1 has now been opened to about 81 degrees. The tension provided by the spring 27 at the portion 29 is no 10 longer able to keep the assemblies 9A and 9B in the fully collapsed position and the slider joints 25 and 26 are in movement to permit the spacing between the screen 2 out of sight and the frame 8 to be established. In FIG. 12, the cover 3 of the computer 1 is now open to about 105 degrees which 15 is about as much travel as needed for typical use. The tension provided by the spring 27 at the portion 29 is designed to end as the cover 3 continues to move on the hinge 4. When the travel of the slider joints 25 and 26 comes to an end the with the screen, not visible, as the cover movement contin-

In practicing the invention changes and substitutions will be apparent within the principle of the invention such as using heads on the pins in the holes and slots and mounting $\,^{25}$ the springs at a different portion of the assemblies such as the the joint 22.

What has been described is a magnification principle for a flat screen computer wherein a flat lens permits the apparent image to be larger than that of the actual displayed 30 image.

What is claimed is:

1. In a notebook type portable computer having a display screen part that is moveably attached to a keyboard base part and which base part is positioned during operation of the computer, in a range of positions above the keyboard that are in the vicinity of the perpendicular, and which display screen part folds over the keyboard in a storage position the improvement comprising:

an essentially flat lens member with moveable positioning capability that is responsive to movement of said display screen part,

said lens member positioning varying from being between said display part and said keyboard when said display 45 screen part is in said storage position, to being in a coplanar position separated from said display screen by an optical enhancement distance when said display screen part is positioned in said range of positions that is in the vicinity of perpendicular, and,

said moveable positioning capability for said flat lens being provided by a supporting frame,

said supporting frame being retained in relation to said display part with parallel scissor assemblies of cross members,

wherein each said cross member is joined to at least one of said frame and said display screen part by a pin at one end and by a slidable connection at the other end, each said slidable connection having a travel distance between first and second travel stops whereby, in movement of said display screen part said lens member is positioned at said optical enhancement distance when said slideable connection is at said first travel stop, and said lens member is retained at said optical enhancement distance when said slideable connection is at said second travel stop.

2. The notebook type portable computer of claim 1 wherein said lens is of the fresnel type.

3. The notebook portable computer of claim 1 wherein said display part has a border that limits the actual image on said display part and said lens is of a size that provides an apparent image that is at least as large as said display part including said border.

4. A portable computer of the notebook type wherein a assemblies 9A, and 9B not shown, seep the frame 8 coplanar 20 display screen part having a border that limits the image area of said display screen part, is hinged on, can move through a range to near vertical for viewing, and can be folded over a keyboard part for storage, the improvement for providing a self deploying display image that is larger than said image area that is limited by said border of said display screen part comprising:

> means for positioning a magnifying member at a selectable location in the viewing path of a computer operator viewing said display part,

> said positioning varying from, being between said display part and said keyboard when said display screen part is in said storage position, to being coplanar with said display screen part at an optical enhancement distance from said display screen part when said display screen part is positioned in said range that is near vertical for viewing, and,

> said means for positioning including a lens supporting frame with parallel scissor cross leg member assemblies that retain said frame in coplanar relationship with said display screen part and wherein each said leg member of said assemblies is attached to one side of said frame within a pin connection and is attached to the remaining side of said frame with a slideable connection.

each said slidable connection having a travel distance between first and second travel stops whereby, in movement of said display screen part said lens member is positioned at said optical enhancement distance when said slideable connection is at said first travel stop, and said lens member is retained at said optical enhancement distance when said slideable connection is at said second travel stop.

5. The improvement of claim 4 wherein said flat magnifying member is a fresnel type lens.